ELSEVIER

Mechanisms of Development 80 (1999) 227–228

Author index

Volume 80 (1999)

Akamine, A., see Nakashima, M., 185
Akasaka, K., see Kurokawa, D., 41
Alvarez-Bolado, G., see Ashery-Padan, R., 215
Amemiya, S., see Kurokawa, D., 41
Antin, P.B., see Gerber, W.V., 77
Antin, P.B., see Yatskievych, T.A., 107
Artee Luchman, H., Paterno, G.D., Kao, K.R., Gillespie, L.L., Differential nuclear localization of ER1 protein during embryonic development in *Xenopus laevis*, 111
Ashery-Padan, R., Alvarez-Bolado, G., Klamt, B., Gessler, M., Gruss, P., *Fjx1* the murine homologue of the *Drosophila four-jointed* gene codes for a putative secreted protein expressed in restricted domains of the developing and adult brain, 215

Baonza, A., García-Bellido, A., Dual role of *extramacrochaetae* in cell proliferation and cell differentiation during wing morphogenesis in *Drosophila*, 133
Bodmer, R., see Su, M.-T., 125
Bonstein, L., see Salzberg, A., 3
Brickell, P., see Schofield, J., 115

Campos-Ortega, J.A., see Scheer, N., 153
Carnevali, F., see Lagna, G., 101
Chandrasekhar, A., see Warren, J.T., Jr., 197
Chen, Y., Hollemann, T., Grunz, H., Pieler, T., Characterization of the Ets-type protein ER81 in *Xenopus* embryos, 67
Ciani, L., see Ponassi, M., 209
Conlon, R.A., see Gerber, W.V., 77
Cordes, S.P., see Schvarzstein, M., 225
Correia, K.M., see Gerber, W.V., 77
Crawley, A., see Schofield, J., 115
Cuzin, F., see Sage, J., 29

de la Calle-Mustienes, E., see Gómez-Skarmeta, J.L., 15
Deardorff, M.A., see Hedgepeth, C.M., 147

Elias, S., see Salzberg, A., 3

ffrench-Constant, C., see Ponassi, M., 209
Frank, D., see Salzberg, A., 3
Furley, A.J., see Warren, J.T., Jr., 197

Gómez-Skarmeta, J.L., de la Calle-Mustienes, E., Modolell, J., Mayor, R., *Xenopus brain factor-2* controls mesoderm, forebrain and neural crest development, 15
García-Bellido, A., see Baonza, A., 133
Gerber, W.V., Yatskievych, T.A., Antin, P.B., Correia, K.M., Conlon, R.A., Krieg, P.A., The RNA-binding protein gene, *hermes*, is expressed at high levels in the developing heart, 77
Gergen, P., see Wolff, C., 87
Gessler, M., see Ashery-Padan, R., 215
Gillespie, L.L., see Artee Luchman, H., 111
Golden, K., see Su, M.-T., 125
Golovleva, I., see Schofield, J., 115
Goodwin, G., see Schofield, J., 115
Grunz, H., see Chen, Y., 67
Gruss, P., see Ashery-Padan, R., 215

Haffter, P., see Schvarzstein, M., 225
Hedgepeth, C.M., Deardorff, M.A., Klein, P.S., *Xenopus* axin interacts with glycogen synthase kinase-3 beta and is expressed in the anterior midbrain, 147
Hemmati-Brivanlou, A., see Lagna, G., 101
Henig, C., see Salzberg, A., 3
Heyting, C., see Sage, J., 29
Hollemann, T., see Chen, Y., 67
HpEts, an ets-related transcription factor implicated in primary mesenchyme cell differentiation in the sea urchin embryo, 41

Isaac, A., see Schofield, J., 115
Izpisúa Belmonte, J.C., see Yonei-Tamura, S., 221

Jacques, T.S., see Ponassi, M., 209
Jay, D.G., see Schröder, R., 191
Joyner, A., see Nakashima, M., 185

Kanki, J.P., see Warren, J.T., Jr., 197
Kao, K.R., see Artee Luchman, H., 111
Kim, I.S., Otto, F., Zabel, B., Mundlos, S., Regulation of chondrocyte differentiation ssby *Cbfa1*, 159
Kirn, A., see Schvarzstein, M., 225
Kitajima, T., see Kurokawa, D., 41
Klamt, B., see Ashery-Padan, R., 215
Klein, P.S., see Hedgepeth, C.M., 147
Klingler, M., see Wolff, C., 87
Krieg, P.A., see Gerber, W.V., 77
Kuwada, J.Y., see Warren, J.T., Jr., 197

Lagna, G., Carnevali, F., Marchioni, M., Hemmati-Brivanlou, A., Negative regulation of axis formation and Wnt signaling in *Xenopus* embryos by the F-box/WD40 protein bTrCP, 101

Marchioni, M., see Lagna, G., 101
Martin, L., see Sage, J., 29
Mayor, R., see Gómez-Skarmeta, J.L., 15
Meuwissen, R., see Sage, J., 29
Mitsunaga-Nakatsubo, K., see Kurokawa, D., 41
Modolell, J., see Gómez-Skarmeta, J.L., 15
Münchberg, S.R., Steinbeisser, H., The *Xenopus* Ets transcription factor XER81 is a target of the FGF signaling pathway, 53
Mundlos, S., see Kim, I.S., 159

Nachaliel, N., see Salzberg, A., 3
Nakashima, M., Toyono, T., Akamine, A., Joyner, A., Expression of

0925-4773/99/$ - see front matter © 1999 Elsevier Science Ireland Ltd. All rights reserved.
PII: S0925-4773(99)00003-9

growth/differentiation factor 11 a new member of the BMP/TGFβ superfamily during mouse embryogenesis, 185
Neuhaus, H., Rosen, V., Thies, R.S., Heart specific expression of mouse *BMP-10* a novel member of the TGF-β superfamily, 181

Otto, F., see Kim, I.S., 159

Pascoe, S., see Yatskievych, T.A., 107
Paterno, G.D., see Artee Luchman, H., 111
Pepling, M., see Wolff, C., 87
Pieler, T., see Chen, Y., 67
Ponassi, M., Jacques, T.S., Ciani, L., ffrench-Constant, C., Expression of the rat homologue of the *Drosophila fat* tumour suppressor gene, 209
Preiss, A., see Wurmbach, E., 171

Rangarajan, R., see Warren, J.T., Jr., 197
Rassoulzadegan, M., see Sage, J., 29
Rosen, V., see Neuhaus, H., 181

Sage, J., Martin, L., Meuwissen, R., Heyting, C., Cuzin, F., Rassoulzadegan, M., Temporal and spatial control of the *Sycp1* gene transcription in the mouse meiosis: regulatory elements active in the male are not sufficient for expression in the female gonad, 29
Salzberg, A., Elias, S., Nachaliel, N., Bonstein, L., Henig, C., Frank, D., A Meis family protein caudalizes neural cell fates in *Xenopus*, 3
Scheer, N., Campos-Ortega, J.A., Use of the Gal4-UAS technique for targeted gene expression in the zebrafish, 153
Schofield, J., Isaac, A., Golovleva, I., Crawley, A., Goodwin, G., Tickle, C., Brickell, P., Expression of *Drosophila trithorax*-group homologues in chick embryos, 115
Schröder, R., Jay, D.G., Tautz, D., Elimination of *EVE* protein by CALI in the short germ band insect *Tribolium* suggests a conserved pair-rule function for *even skipped*, 191
Schvarzstein, M., Kirn, A., Haffter, P., Cordes, S.P., Expression of *Zkrml2*a homologue of the *Krml1/val* segmentation gene during embryonic patterning of the zebrafish (*Danio rerio*), 225
Shimada, H., see Kurokawa, D., 41
Smith, D.M., Tabin, C.J., Chick Barx2b a marker for myogenic cells also expressed in branchial arches and neural structures, 203
Steinbeisser, H., see Münchberg, S.R., 53
Su, M.-T., Venkatesh, T.V., Wu, X., Golden, K., Bodmer, R., The pioneer gene, *apontic*, is required for morphogenesis and function of the *Drosophila* heart, 125

Tabin, C.J., see Smith, D.M., 203
Tamura, K., see Yonei-Tamura, S., 221
Tautz, D., see Schröder, R., 191
Thies, R.S., see Neuhaus, H., 181
Tickle, C., see Schofield, J., 115
Toyono, T., see Nakashima, M., 185
Tsukui, T., see Yonei-Tamura, S., 221

Venkatesh, T.V., see Su, M.-T., 125

Warren, J.T., Jr., Chandrasekhar, A., Kanki, J.P., Rangarajan, R., Furley, A.J., Kuwada, J.Y., Molecular cloning and developmental expression of a zebrafish axonal glycoprotein similar to TAG-1, 197
Wech, I., see Wurmbach, E., 171
Wolff, C., Pepling, M., Gergen, P., Klingler, M., Structure and evolution of a pair-rule interaction element: *runt* regulatory sequences in *D. melanogaster* and *D. virilis*, 87
Wu, X., see Su, M.-T., 125
Wurmbach, E., Wech, I., Preiss, A., The *Enhancer of split* complex of *Drosophila melanogaster* harbors three classes of Notch responsive genes, 171

Yatskievych, T.A., Pascoe, S., Antin, P.B., Expression of the homeobox gene *Hex* during early stages of chick embryo development, 107
Yatskievych, T.A., see Gerber, W.V., 77
Yonei-Tamura, S., Tamura, K., Tsukui, T., Izpisúa Belmonte, J.C., Spatially and temporally-restricted expression of two T-box genes during zebrafish embryogenesis, 221

Zabel, B., see Kim, I.S., 159

ELSEVIER

Mechanisms of Development 80 (1999) 229–234

Subject index

Volume 80 (1999)

Activin signalling; *Xenopus laevis*; Ets protein; ER81; Mesoderm induction **80**, 67

Activin/inhibin; TGFβ superfamily; Bone morphogenetic protein; Growth/differentiation factor; Embryogenesis; Dental pulp; Tooth development **80**, 185

Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Anteroposterior axis; *Xenopus laevis*; Neural induction; Caudalize; XMeis3; Homothorax **80**, 3

Apical ectodermal ridge; Cortex; *four-jointed*; Forebrain development; Olfactory bulb; Regionalization; Telencephalon **80**, 213

apontic; *Drosophila*; Enhancer trap; Heart morphogenesis; Heartbeat; Mesoderm; Cardiogenesis **80**, 125

Axin; *Xenopus*; Glycogen synthase kinase-3 beta; Midbrain; Yeast two hybrid; Development; Forebrain–midbrain boundary; wnts **80**, 147

Axon pathfinding; Zebrafish; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

bar genes; Homeodomain; Embryo; Chick; Muscle; *Sonic Hedgehog* **80**, 203

Basic domain leucine zipper; *kreisler*; *valentino*; Maf protein; Somitogenesis; Myogenesis; Zebrafish **80**, 223

b-catenin; *Xenopus*; Dorsal axis formation; x-bTrCP-2 **80**, 101

Bicoid; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy **80**, 87

Blood islands; Angiogenesis; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

BMP-10; Bone morphogenetic proteins; Heart; Trabeculation **80**, 181

Bone morphogenetic protein; TGFβ superfamily; Activin/inhibin; Growth/differentiation factor; Embryogenesis; Dental pulp; Tooth development **80**, 185

Bone morphogenetic proteins; Heart; *BMP-10*; Trabeculation **80**, 181

Brain; Zebrafish; Axon pathfinding; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Branchiomotor neuron; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Brg1; *Mll*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Brm; *Mll*; *Brg1*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Cadherin; Protocadherin; Fat; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Cardiogenesis; *apontic*; *Drosophila*; Enhancer trap; Heart morphogenesis; Heartbeat; Mesoderm **80**, 125

Caudalize; *Xenopus laevis*; Neural induction; Anteroposterior axis; XMeis3; Homothorax **80**, 3

Cbfal; Osteoblast differentiation; Indian hedgehog **80**, 159

Cell adhesion molecule; Zebrafish; Axon pathfinding; Brain; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Cell proliferation; *Extramacrochaetae*; Wing morphogenesis; Vein differentiation; Ras pathway **80**, 133

Chick; *bar* genes; Homeodomain; Embryo; Muscle; *Sonic Hedgehog* **80**, 203

Chicken embryo; *Mll*; *Brg1*; *Brm*; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Chicken; Angiogenesis; Blood islands; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

0925-4773/99/$ - see front matter © 1999 Elsevier Science Ireland Ltd. All rights reserved
PII: S0925-4773(99)00004-0

Cortex; Apical ectodermal ridge; *four-jointed*; Forebrain development; Olfactory bulb; Regionalization; Telencephalon **80**, 213

Dental pulp; TGFβ superfamily; Bone morphogenetic protein; Activin/inhibin; Growth/differentiation factor; Embryogenesis; Tooth development **80**, 185

Dermomyotome; *Mll*; *Brg1*; *Brm*; Chicken embryo; Eye; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Development; *Xenopus*; Axin; Glycogen synthase kinase-3 beta; Midbrain; Yeast two hybrid; Forebrain–midbrain boundary; wnts **80**, 147

Development; Runt; Pair-rule gene; Segmentation; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

DNA binding proteins; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; Hairy; Bicoid **80**, 87

Dorsal axis formation; *Xenopus*; b-catenin; x-bTrCP-2 **80**, 101

Drosophila; *apontic*; Enhancer trap; Heart morphogenesis; Heartbeat; Mesoderm; Cardiogenesis **80**, 125

Drosophila; *Enhancer of split*; hairy-enhancer of split like genes (mammalian); Gene regulation; m4/mα; Notch pathway; Notch targets; *Suppressor of Hairless* **80**, 171

Drosophila; *even-skipped*; Segmentation; Phenocopy **80**, 191

EGF repeat; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; Laminin A–G domain; PDZ domain **80**, 207

Embryo; *bar* genes; Homeodomain; Chick; Muscle; *Sonic Hedgehog* **80**, 203

Embryo; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Embryogenesis; T-box; Zebrafish; Gene expression; Tbr1; Tbx3 **80**, 219

Embryogenesis; TGFβ superfamily; Bone morphogenetic protein; Activin/inhibin; Growth/differentiation factor; Dental pulp; Tooth development **80**, 185

Endocardium; Angiogenesis; Blood islands; Chicken; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Enhancer of split; *Drosophila*; hairy-enhancer of split like genes (mammalian); Gene regulation; m4/mα; Notch pathway; Notch targets; *Suppressor of Hairless* **80**, 171

Enhancer trap; *apontic*; *Drosophila*; Heart morphogenesis; Heartbeat; Mesoderm; Cardiogenesis **80**, 125

Enhancer; Testis; Ovary; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Promoter **80**, 29

Epithelium; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

ER81; *Xenopus laevis*; Ets protein; Mesoderm induction; Activin signalling **80**, 67

Ets protein; *Xenopus laevis*; ER81; Mesoderm induction; Activin signalling **80**, 67

Ets transcription factors; *Xenopus laevis*; FGF signaling **80**, 53

ets-related transcription factor; Sea urchin; Primary mesenchyme cells **80**, 41

even-skipped; *Drosophila*; Segmentation; Phenocopy **80**, 191

Extramacrochaetae; Wing morphogenesis; Vein differentiation; Cell proliferation; Ras pathway **80**, 133

Eye; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Eye; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Fat; Protocadherin; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

FGF signaling; *Xenopus laevis*; Ets transcription factors **80**, 53

Fibroblast growth factor; Immediate-early gene; Transcription factor; Mesoderm induction; Nuclear protein; *Xenopus laevis* **80**, 111

Forebrain development; Apical ectodermal ridge; Cortex; *four-jointed*; Olfactory bulb; Regionalization; Telencephalon **80**, 213

Forebrain–midbrain boundary; *Xenopus*; Axin; Glycogen synthase kinase-3 beta; Midbrain; Yeast two hybrid; Development; wnts **80**, 147

four-jointed; Apical ectodermal ridge; Cortex; Forebrain development; Olfactory bulb; Regionalization; Telencephalon **80**, 213

GAL4-UAS system; Zebrafish; Transgenic lines **80**, 153

Gene expression; T-box; Zebrafish; Tbr1; Tbx3; Embryogenesis **80**, 219

Gene expression; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Gene regulation; *Drosophila*; *Enhancer of split*; hairy-enhancer of split

like genes (mammalian); m4/mα; Notch pathway; Notch targets; *Suppressor of Hairless* **80**, 171

Glycogen synthase kinase-3 beta; *Xenopus*; Axin; Midbrain; Yeast two hybrid; Development; Forebrain–midbrain boundary; wnts **80**, 147

Glycoprotein; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Growth cone; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Growth/differentiation factor; TGFβ superfamily; Bone morphogenetic protein; Activin/inhibin; Embryogenesis; Dental pulp; Tooth development **80**, 185

Hairy; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Bicoid **80**, 87

Hairy-enhancer of split like genes (mammalian); *Drosophila*; *Enhancer of split*; Gene regulation; m4/mα; Notch pathway; Notch targets; *Suppressor of Hairless* **80**, 171

Heart morphogenesis; *apontic*; *Drosophila*; Enhancer trap; Heartbeat; Mesoderm; Cardiogenesis **80**, 125

Heart; Bone morphogenetic proteins; *BMP-10*; Trabeculation **80**, 181

hermes; RNA-binding protein; RNA recognition motif **80**, 77

Hex; Angiogenesis; Blood islands; Chicken; Endocardium; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Homeobox Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Homeodomain; *bar* genes; Embryo; Chick; Muscle; *Sonic Hedgehog* **80**, 203

Homothorax; *Xenopus laevis*; Neural induction; Anteroposterior axis; Caudalize; XMeis3 **80**, 3

Hypoblast; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Immediate-early gene; Fibroblast growth factor; Transcription factor; Mesoderm induction; Nuclear protein; *Xenopus laevis* **80**, 111

In situ hybridization; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Indian hedgehog; *Cbfal*; Osteoblast differentiation **80**, 159

Koller's sickle; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

kreisler; *valentino*; Basic domain leucine zipper; Maf protein; Somitogenesis; Myogenesis; Zebrafish **80**, 223

Laminin A–G domain; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; PDZ domain **80**, 207

Lateral line; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Trigeminal ganglion **80**, 197

Liver; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Mll; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

m4/mα; *Drosophila*; *Enhancer of split*; hairy-enhancer of split like genes (mammalian); Gene regulation; Notch pathway; Notch targets; *Suppressor of Hairless* **80**, 171

Maf protein; *kreisler*; *valentino*; Basic domain leucine zipper; Somitogenesis; Myogenesis; Zebrafish **80**, 223

Mesoderm induction; *Xenopus laevis*; Ets protein; ER81; Activin signalling **80**, 67

Mesoderm induction; Fibroblast growth factor; Immediate-early gene; Transcription factor; Nuclear protein; *Xenopus laevis* **80**, 111

Mesoderm; *apontic*; *Drosophila*; Enhancer trap; Heart morphogenesis; Heartbeat; Cardiogenesis **80**, 125

Mesoderm; *Xbf2*; Neural induction; Neural crest; *Xenopus* **80**, 15

Mesoderm; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Myocardium; Pharyngeal endoderm; *Prh* Thyroid; Vascular endothelium **80**, 107

Midbrain; *Xenopus*; Axin; Glycogen synthase kinase-3 beta; Yeast two hybrid; Development; Forebrain–midbrain boundary; wnts **80**, 147

Molecular evolution; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Regulatory elements; Upstream sequences; DNA binding proteins; Hairy; Bicoid **80**, 87

Muscle; *bar* genes; Homeodomain; Embryo; Chick; *Sonic Hedgehog* **80**, 203

Myocardium; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle;

Liver; Mesoderm; Pharyngeal endoderm; *Prh*; Thyroid; Vascular endothelium **80**, 107

Myogenesis; *kreisler*; *valentino*; Basic domain leucine zipper; Maf protein; Somitogenesis; Zebrafish **80**, 223

Neural crest; *Xbf2*; Mesoderm; Neural induction; *Xenopus* **80**, 15

Neural crest; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Neural induction; *Xbf2*; Mesoderm; Neural crest; *Xenopus* **80**, 15

Neural induction; *Xenopus laevis*; Anteroposterior axis; Caudalize; XMeis3; Homothorax **80**, 3

Neural stem cell; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Neural tube; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Notochord; *polycomb*; Primitive streak; *trithorax* **80**, 115

Neuroepithelium; Protocadherin; Fat; Cadherin; Tumour suppressor; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Neuronal development; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Neurosphere; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Notch pathway; *Drosophila*; *Enhancer of split*; hairy-enhancer of split like genes (mammalian); Gene regulation; m4/mα; Notch targets; *Suppressor of Hairless* **80**, 171

Notch targets; *Drosophila*; *Enhancer of split*; hairy-enhancer of split like genes (mammalian); Gene regulation; m4/mα; Notch pathway; *Suppressor of Hairless* **80**, 171

Notochord; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; *polycomb*; Primitive streak; *trithorax* **80**, 115

Nuclear protein; Fibroblast growth factor; Immediate-early gene; Transcription factor; Mesoderm induction; *Xenopus laevis* **80**, 111

Olfactory bulb; Apical ectodermal ridge; Cortex; *four-jointed*; Forebrain development; Regionalization; Telencephalon **80**, 213

Oogenesis; Testis; Ovary; Spermatogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Promoter; Enhancer **80**, 29

Osteoblast differentiation; *Cbfal*; Indian hedgehog **80**, 159

Ovary; Testis; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Promoter; Enhancer **80**, 29

Pachytene spermatocyte; Testis; Ovary; Spermatogenesis; Oogenesis; Synaptonemal complex; Transgenic mice; Promoter; Enhancer **80**, 29

Pair-rule gene; Runt; Segmentation; Development; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

Pattern formation; Runt; Pair-rule gene; Segmentation; Development; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

PDZ domain; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain **80**, 207

Pharyngeal endoderm; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; *Prh*; Thyroid; Vascular endothelium **80**, 107

Phenocopy; *even-skipped*; *Drosophila*; Segmentation **80**, 191

polycomb; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; Primitive streak; *trithorax* **80**, 115

Prh; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; Thyroid; Vascular endothelium **80**, 107

Primary mesenchyme cells; ets-related transcription factor; Sea urchin **80**, 41

Primitive streak; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; *trithorax* **80**, 115

Promoter; Testis; Ovary; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Enhancer **80**, 29

Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Ras pathway; *Extramacrochaetae*; Wing morphogenesis; Vein differentiation; Cell proliferation **80**, 133

Regionalization; Apical ectodermal ridge; Cortex; *four-jointed*; Forebrain development; Olfactory bulb; Telencephalon **80**, 213

Regulatory elements; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

RNA recognition motif; RNA-binding protein; *hermes* **80**, 77

RNA-binding protein; RNA recognition motif; *hermes* **80**, 77

Runt; Pair-rule gene; Segmentation; Development; Pattern formation;

Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

Sea urchin; ets-related transcription factor; Primary mesenchyme cells **80**, 41

Segmentation; *even-skipped*; *Drosophila*; Phenocopy **80**, 191

Segmentation; Runt; Pair-rule gene; Development; Pattern formation; Regulatory elements; Upstream sequences; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

Somitogenesis; *kreisler*; *valentino*; Basic domain leucine zipper; Maf protein; Myogenesis; Zebrafish **80**, 223

Sonic Hedgehog; *bar* genes; Homeodomain; Embryo; Chick; Muscle **80**, 203

Spermatogenesis; Testis; Ovary; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Promoter; Enhancer **80**, 29

Spinal cord; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Lateral line; Trigeminal ganglion **80**, 197

Subventricular zone; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Suppressor of Hairless; *Drosophila*; *Enhancer of split*; hairy-enhancer of split like genes (mammalian); Gene regulation; m4/mα; Notch pathway; Notch targets **80**, 171

Synaptonemal complex; Testis; Ovary; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Transgenic mice; Promoter; Enhancer **80**, 29

tag1; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

T-box; Zebrafish; Gene expression; Tbr1; Tbx3; Embryogenesis **80**, 219

Tbr1; T-box; Zebrafish; Gene expression; Tbx3; Embryogenesis **80**, 219

Tbx3; T-box; Zebrafish; Gene expression; Tbr1; Embryogenesis **80**, 219

Telencephalon; Apical ectodermal ridge; Cortex; *four-jointed*; Forebrain development; Olfactory bulb; Regionalization **80**, 213

Testis; Ovary; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Transgenic mice; Promoter; Enhancer **80**, 29

TGFβ superfamily; Bone morphogenetic protein; Activin/inhibin; Growth/differentiation factor; Embryogenesis; Dental pulp; Tooth development **80**, 185

Thyroid; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Vascular endothelium **80**, 107

Tooth development; TGFβ superfamily; Bone morphogenetic protein; Activin/inhibin; Growth/differentiation factor; Embryogenesis; Dental pulp **80**, 185

Trabeculation; Bone morphogenetic proteins; Heart; *BMP-10* **80**, 181

Transcription factor; Fibroblast growth factor; Immediate-early gene; Mesoderm induction; Nuclear protein; *Xenopus laevis* **80**, 111

Transgenic lines; Zebrafish; GAL4-UAS system **80**, 153

Transgenic mice; Testis; Ovary; Spermatogenesis; Oogenesis; Pachytene spermatocyte; Synaptonemal complex; Promoter; Enhancer **80**, 29

Trigeminal ganglion; Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line **80**, 197

trithorax; *Mll*; *Brg1*; *Brm*; Chicken embryo; Dermomyotome; Eye; Neural tube; Notochord; *polycomb*; Primitive streak **80**, 115

Tumour suppressor; Protocadherin; Fat; Cadherin; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Ventricular zone; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Upstream sequences; Runt; Pair-rule gene; Segmentation; Development; Pattern formation; Regulatory elements; Molecular evolution; DNA binding proteins; Hairy; Bicoid **80**, 87

valentino; *kreisler*; Basic domain leucine zipper; Maf protein; Somitogenesis; Myogenesis; Zebrafish **80**, 223

Vascular endothelium; Angiogenesis; Blood islands; Chicken; Endocardium; *Hex*; Homeobox; Hypoblast; In situ hybridization; Koller's sickle; Liver; Mesoderm; Myocardium; Pharyngeal endoderm; *Prh*; Thyroid **80**, 107

Vein differentiation; *Extramacrochaetae*; Wing morphogenesis; Cell proliferation; Ras pathway **80**, 133

Ventricular zone; Protocadherin; Fat; Cadherin; Tumour suppressor; Neuroepithelium; Embryo; Epithelium; Neural stem cell; Neurosphere; Subventricular zone; EGF repeat; Laminin A–G domain; PDZ domain **80**, 207

Wing morphogenesis; *Extramacrochaetae*; Vein differentiation; Cell proliferation; Ras pathway **80**, 133

wnts; *Xenopus*; Axin; Glycogen synthase kinase-3 beta; Midbrain; Yeast two hybrid; Development; Forebrain–midbrain boundary **80**, 147

Xbf2; Mesoderm; Neural induction; Neural crest; *Xenopus* **80**, 15

x-bTrCP-2; *Xenopus*; b-catenin; Dorsal axis formation **80**, 101

Xenopus laevis; Ets protein; ER81; Mesoderm induction; Activin signalling **80**, 67

Xenopus laevis; Ets transcription factors; FGF signaling **80**, 53

Xenopus laevis; Fibroblast growth factor; Immediate-early gene; Transcription factor; Mesoderm induction; Nuclear protein **80**, 111

Xenopus laevis; Neural induction; Anteroposterior axis; Caudalize; XMeis3; Homothorax **80**, 3

Xenopus; *Xbf2*; Mesoderm; Neural induction; Neural crest **80**, 15

Xenopus; Axin; Glycogen synthase kinase-3 beta; Midbrain; Yeast two hybrid; Development; Forebrain–midbrain boundary; wnts **80**, 147

Xenopus; b-catenin; Dorsal axis formation; x-bTrCP-2 **80**, 101

XMeis3; *Xenopus laevis*; Neural induction; Anteroposterior axis; Caudalize; Homothorax **80**, 3

Yeast two hybrid; *Xenopus*; Axin; Glycogen synthase kinase-3 beta; Midbrain; Development; Forebrain–midbrain boundary; wnts **80**, 147

Zebrafish; *kreisler*; *valentino*; Basic domain leucine zipper; Maf protein; Somitogenesis; Myogenesis **80**, 223

Zebrafish; Axon pathfinding; Brain; Cell adhesion molecule; Glycoprotein; Growth cone; *tag1*; Gene expression; Neuronal development; Branchiomotor neuron; Eye; Neural crest; Spinal cord; Lateral line; Trigeminal ganglion **80**, 197

Zebrafish; GAL4-UAS system; Transgenic lines **80**, 153

Zebrafish; T-box; Gene expression; Tbr1; Tbx3; Embryogenesis **80**, 219